

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### FOIL and Factor pop quiz (version 10)

FOIL the expressions shown below:

1.  $(x + 2)(x - 1)$

$$x^2 + x - 2$$

2.  $(x + 3)(x - 2)$

$$x^2 + x - 6$$

3.  $(x + 6)(x + 6)$

$$x^2 + 12x + 36$$

4.  $(x + 1)(x - 8)$

$$x^2 - 7x - 8$$

5.  $(x - 2)(x + 5)$

$$x^2 + 3x - 10$$

**Factor the expressions shown below:**

6.  $x^2 + 6x - 27$

$$(x - 3)(x + 9)$$

7.  $x^2 + 13x + 36$

$$(x + 9)(x + 4)$$

8.  $x^2 - 12x + 27$

$$(x - 3)(x - 9)$$

9.  $x^2 + 3x - 54$

$$(x + 9)(x - 6)$$

10.  $x^2 + 11x + 18$

$$(x + 2)(x + 9)$$